

Patent Abstracts of Japan

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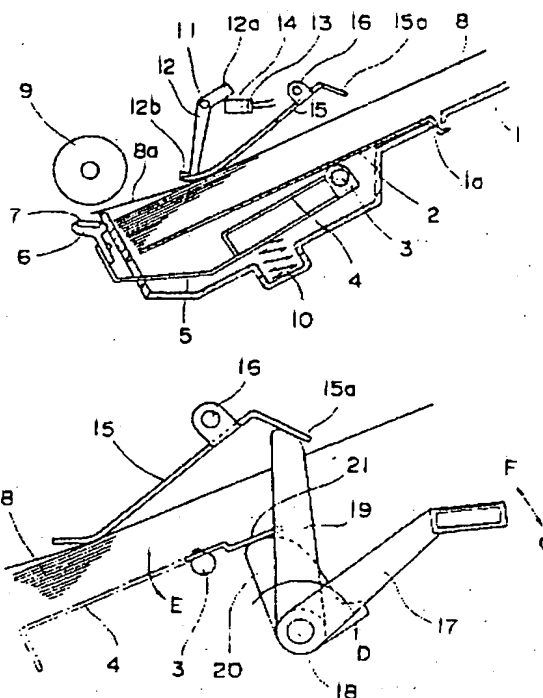
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APPLICANT : RICOH CO LTD;

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TITLE : PAPER FEED DEVICE



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ABSTRACT : PURPOSE: To enable a paper end sensor to surely detect the press release of a sheet, by preventing sheets from being left to be pooled between a paper feed roller and a sheet separating member.

CONSTITUTION: When a release lever 17 is turned in the direction of the arrow C, a cam 20 and a cam lever 19 are rotated in the direction of the arrow D so that the cam 20 rotates a shaft 3 in the direction of the arrow E, and a sheet pressing member 15 is rotated by the cam lever 19, simultaneously with downward rotation of a paper feed press lever 4. Accordingly, simultaneously with the release of pressure by a paper feed pressure plate 2 and a sheet separating member 7, a sheet press member 15 presses sheets 8 at the top thereof to force sheets 8a which have been pooled at their leading ends between the sheet separating member 7 and a paper feed roller 9, to be pressed downward. On the contrary when the release lever 7 is turned downward, the paper feed pressure lever 4 is rotated upward so that the paper feed pressure plate 2 raises the sheets 8, and simultaneously, the sheet press member 15 is rotated upward in association with the rotation of the cam lever 19 to release the pressing from the sheets 8.

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